

A graph is useful for displaying data. This document will show you the steps for constructing a line graph.

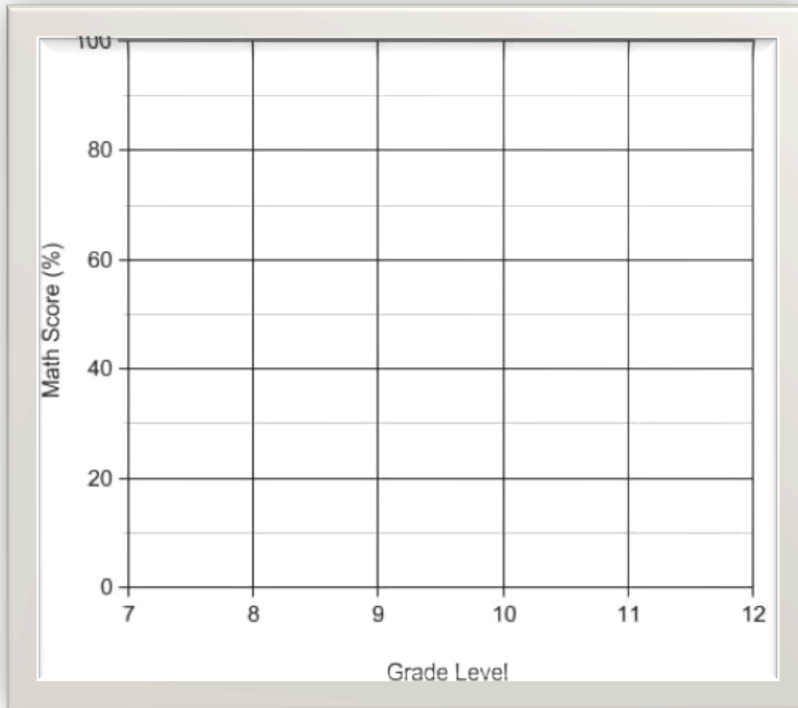
Example:

Jill's Secondary Math Scores	
Grade Level	Math Score (%)
7	72
8	75
9	81
10	80
11	83
12	91

	Label the graph.
	Mark each unit across the horizontal scale and along the vertical scale. Label the marks by the units they represent.

Name: _____

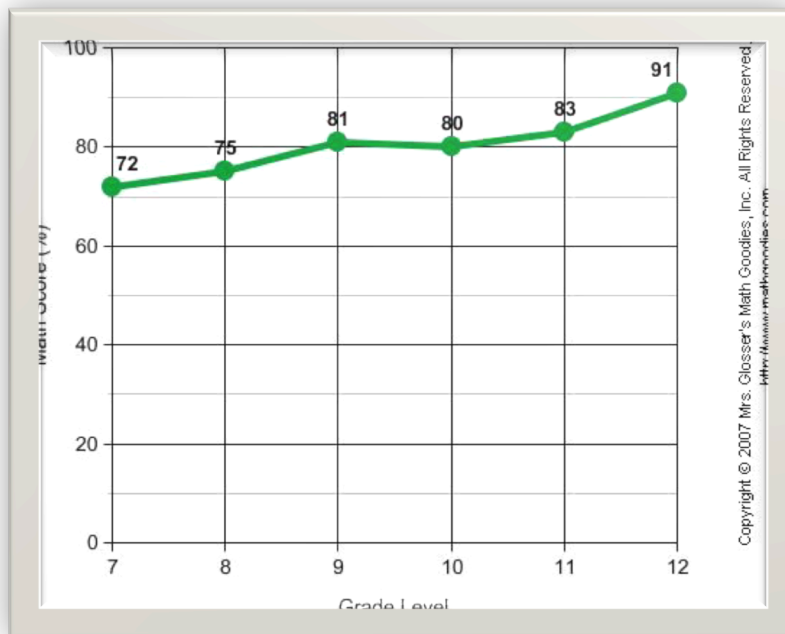
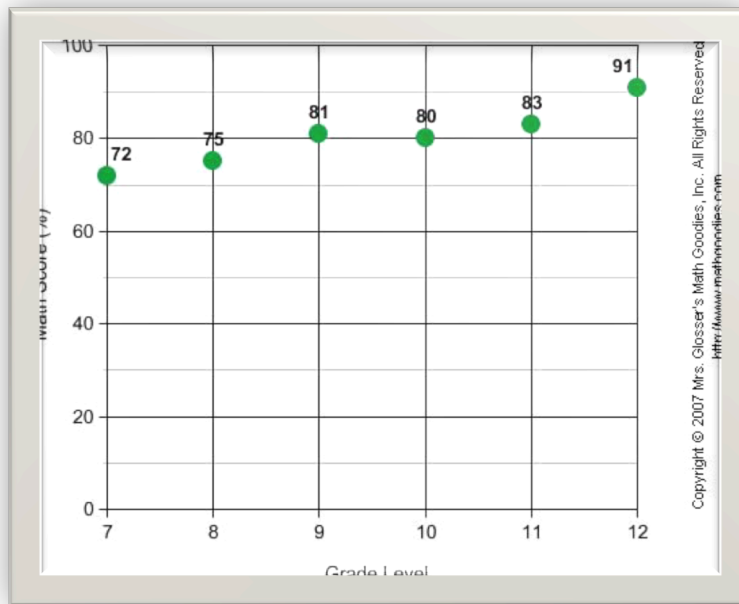
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	Plot the points and connect them.
	Plot a point for each pair of values. Connect the points with straight lines from left to right.

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Exercises:

Directions: Use the procedure above to construct a line graph for each table given in the exercises below.

Exercise 2: In 2000, a law was passed against the use of cell phones while driving in Anytown, N.Y. The number of people who use cell phones while driving in Anytown has changed each year since then as shown in the table below. Construct a line graph to visually display this data. **Use the lined graph paper.**

Cell Phone Use While Driving in Anytown, NY	
Year	Number of People
2000	309
2001	274
2002	256
2003	238
2004	197
2005	203
2006	195
2007	192

When Graphing.
Label the marks by
the units they
represent.

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A full-page sheet of white graph paper with a light gray grid. The grid consists of small squares, approximately 10 units wide by 10 units high. There are no margins or additional markings on the page.

Exercise 2: There were a total of 7 competitions for the 50-Meter Dash at a school. Winning times were recorded in seconds as shown in the table below. Construct a line graph to visually display this data. **Use the lined graph paper.**

50-Meter Dash	
Competition	Winning Time (seconds)
First	8.7
Second	11.6
Third	10.9
Fourth	12.7
Fifth	13.1
Sixth	9.5
Seventh	14.4

Name: _____

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